

81 1. A method of decoding video containing predicted frames, comprising the steps of:

(a) decoding a first macroblock of a first predicted frame at a first resolution and decoding a second macroblock of said first predicted frame at a second resolution greater than said first resolution.

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2. The method of claim 1, wherein:

(a) said macroblocks have associated motion vectors.

3. The method of claim 1, wherein:

(a) said video is MPEG encoded; and

(b) said predicted frames are P frames.

4. The method of claim 1, wherein:

(a) said first macroblock has high frequency component energy less than a threshold and said second macroblock has high frequency component energy greater than said threshold.

5. The method of claim 2, wherein:

(a) said decoding of said second macroblock includes upsampling of a stored reference macroblock.